

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/028559 A1

(51) International Patent Classification⁷: **A61K 38/17**,
C07K 14/515, G01N 33/50

Wilmette, IL 60091 (US). **ZAICHUK, Tetiana** [UA/US];
1035 Superior St., #W, Oak Park, IL 60302 (US).

(21) International Application Number:
PCT/US2003/030264

(74) Agent: **WRONA, Thomas, J.**; Marshall, Gerstein &
Borun LLP, 6300 Sears Tower, 233 South Wacker Drive,
Chicago, IL 60606 (US).

(22) International Filing Date:
26 September 2003 (26.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/413,685 26 September 2002 (26.09.2002) US
60/417,688 10 October 2002 (10.10.2002) US

(71) Applicants (*for all designated States except US*): **THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS** [US/US]; 352 Administration Building, 506 South Wright Street, Urbana, IL 61801 (US). **NORTH-WESTERN UNIVERSITY** [US/US]; 633 Clark Street, Evanston, IL 60208 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **VOLZ, Karl** [US/US]; 837 North Cuyler, Oak Park, IL 60302 (US). **FILLEUR, Stephanie** [FR/US]; Galter carriage House, Apt. 2409, 215 East Chicago Avenue, Chicago, IL 60611 (US). **VOLPERT, Olga, V.** [US/US]; 215 Sunset Drive,

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTI-ANGIOGENIC FRAGMENTS OF PIGMENT EPITHELIUM-DERIVED FACTOR (PEDF)

(57) Abstract: The present invention provides anti-angiogenic derived from pigment epithelium-derived factor (PEDF) pharmaceutical compositions comprising the peptides, and methods of preventing angiogenesis. Such methods are useful in treating angiogenesis-associated disorders and diseases.

WO 2004/028559 A1